

LIQUID PROOF SWITCH ARRAY

ABSTRACT

Switch arrays such as keyboards are described. The switch arrays may include an
5 array of dome spring elements. Each dome spring element may define a chamber, and a
plurality of channels may interconnect the chambers of the dome spring elements such
that each chamber of each dome spring element is in fluid communication with the
chamber of at least one of the other dome spring elements. The array of dome spring
elements may provide a hermetic seal to the bottom side of individual dome spring
10 elements to avoid the sticky key phenomenon. The switch arrays may also include
alignments elements. For example, the alignment elements may include hook-like
elements that engage one another to define a distance of travel for switches in the switch
arrays.

1004-012US01/56470USA3A.002